FIG. 1 prior art

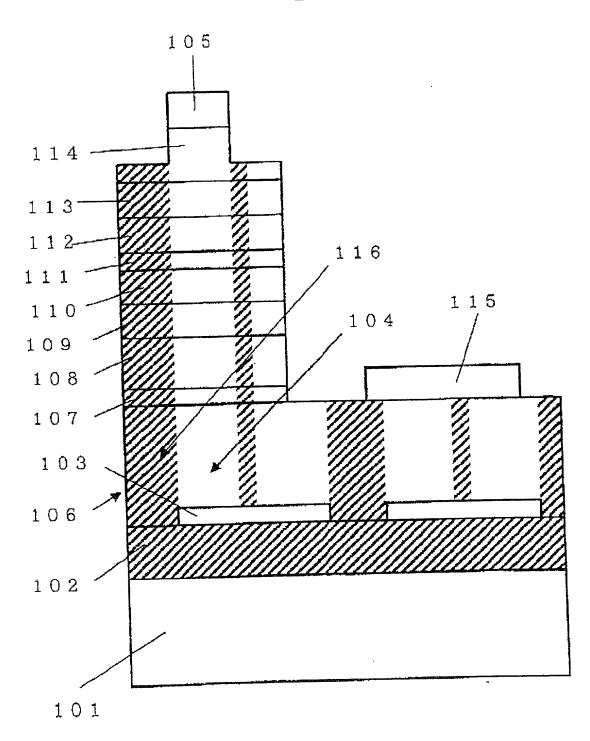


FIG. 2 prior art

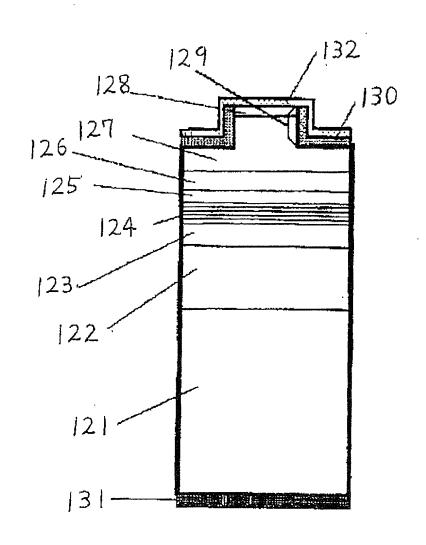


FIG. 3 prior art

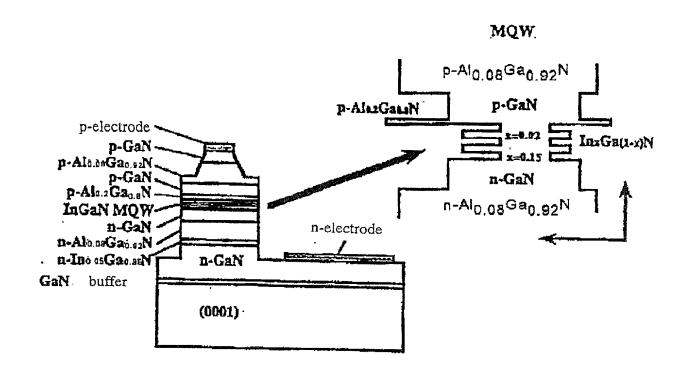


FIG. 4

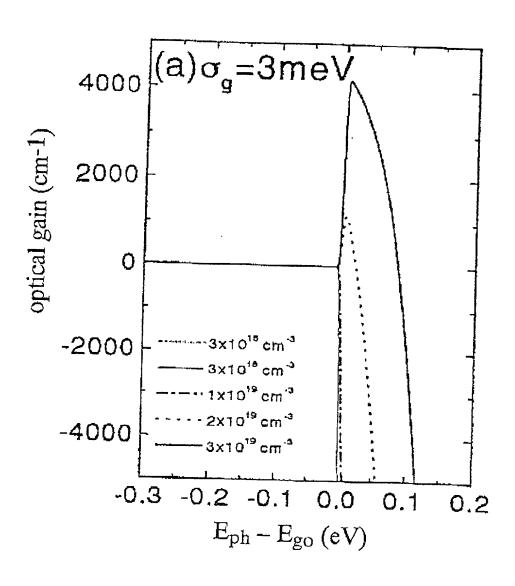


FIG. 5

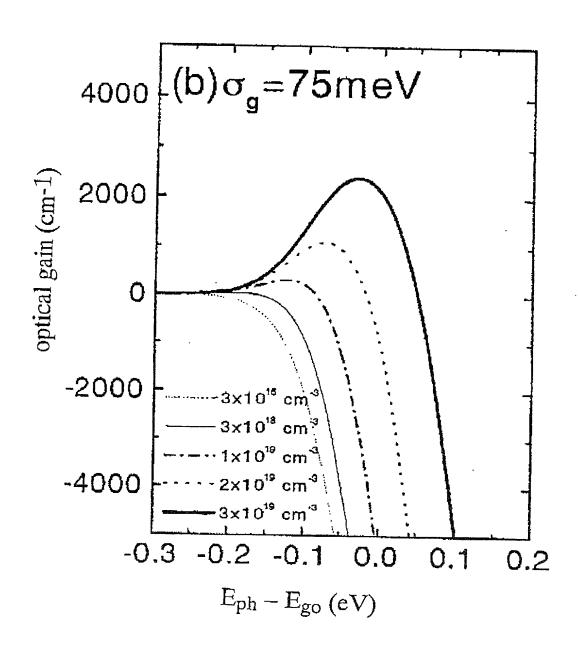


FIG. 6

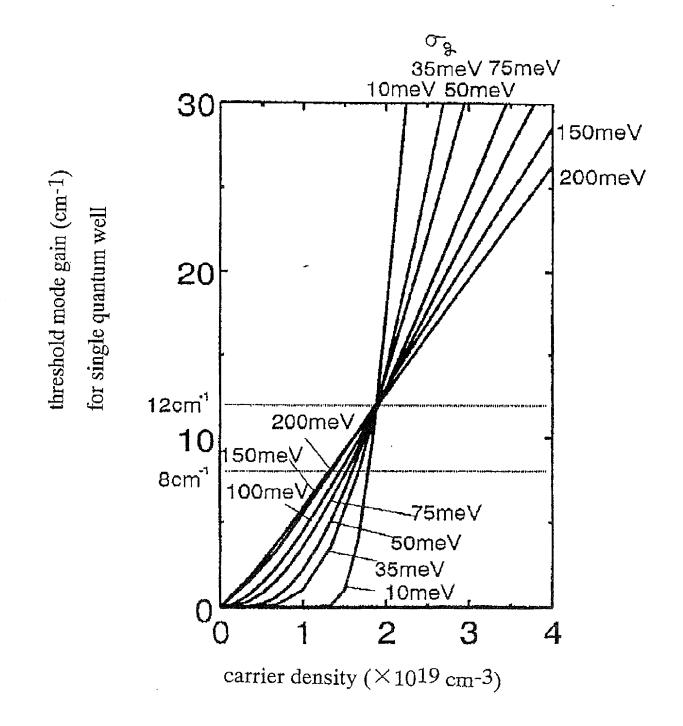
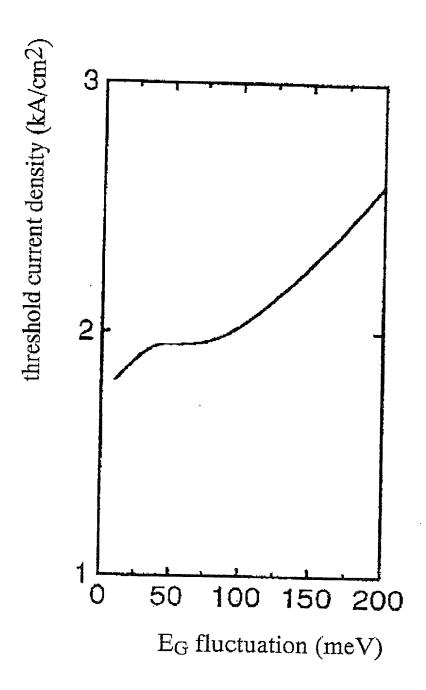


FIG. 7



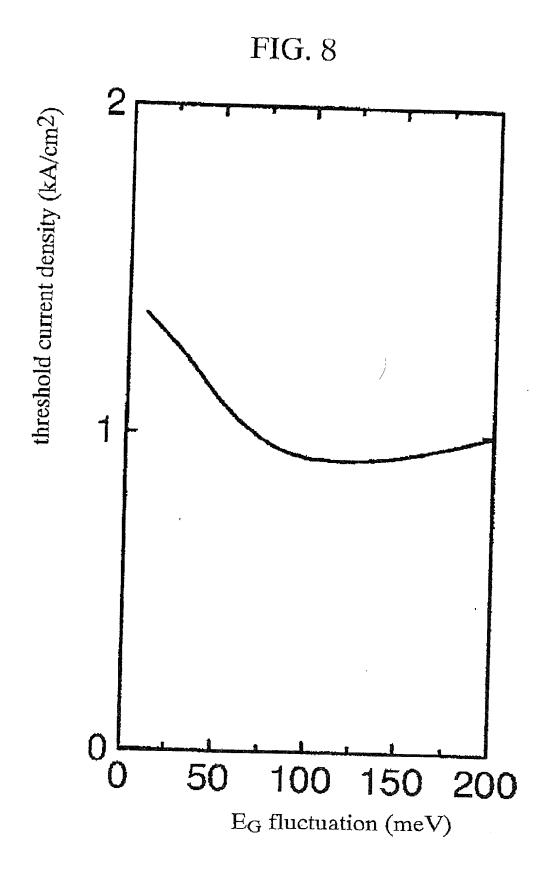


FIG. 9

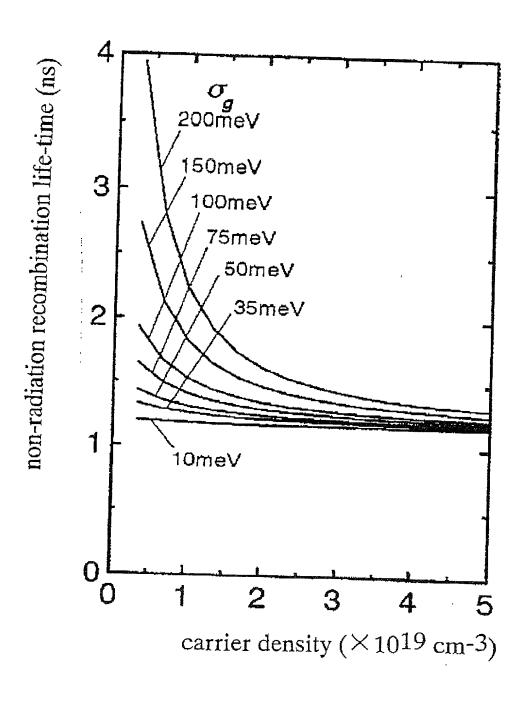
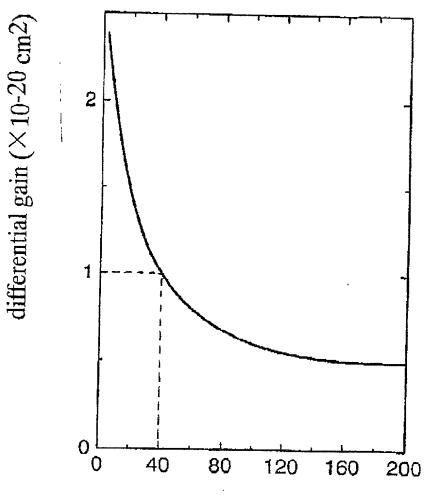


FIG. 10



band gap energy fluctuation σ_{g} (meV)

FIG. 11

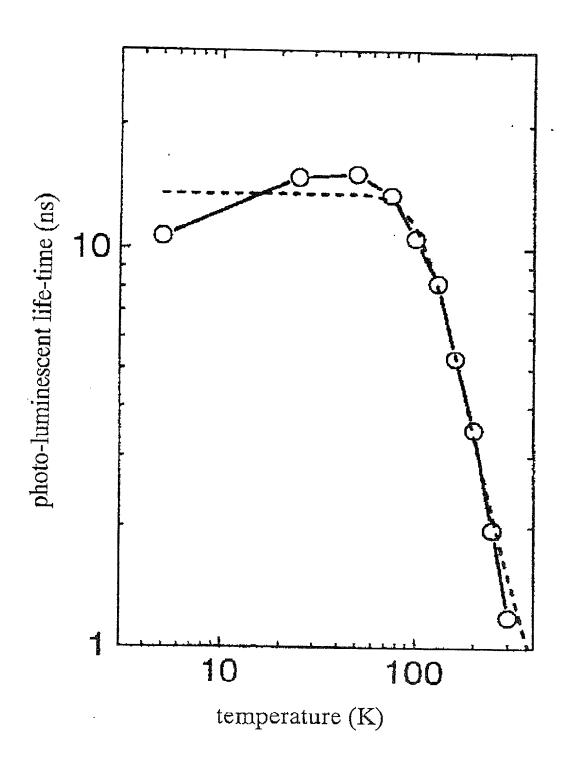


FIG. 12A

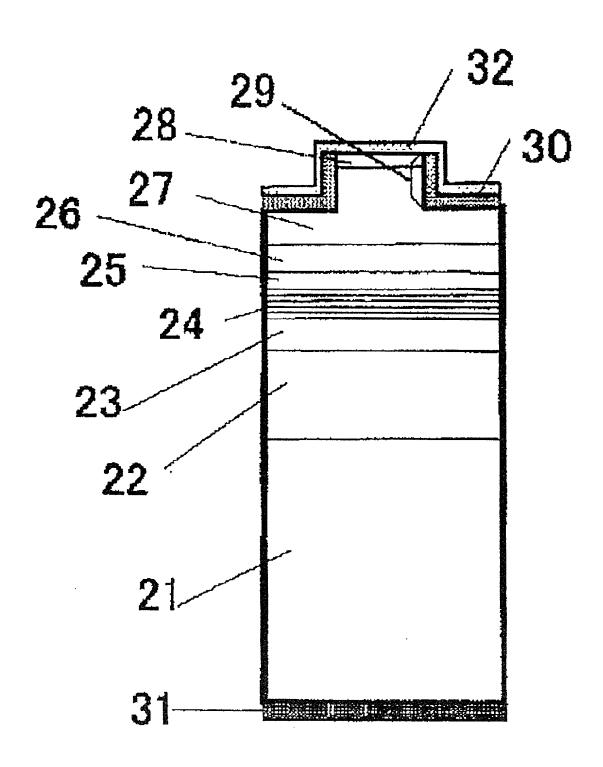


FIG. 12B

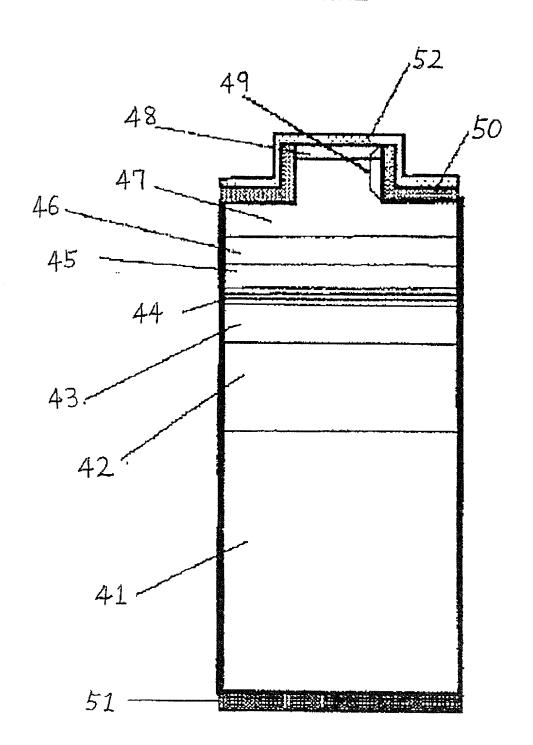


FIG. 13

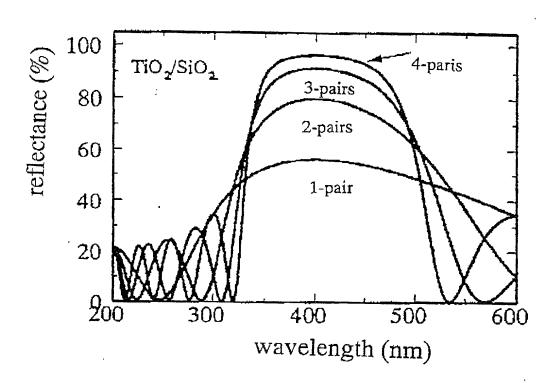
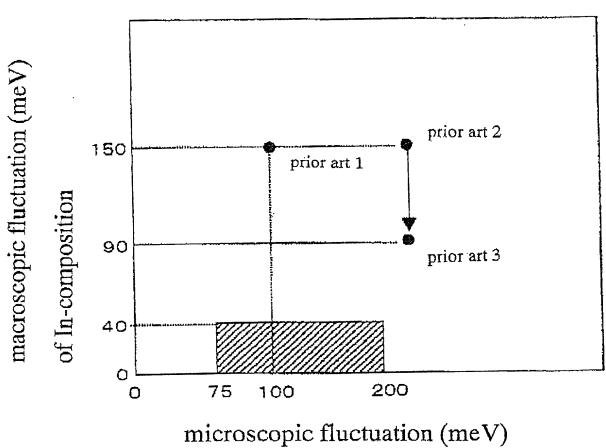


FIG. 14



microscopic fluctuation (meV)
of In-composition

FIG. 15

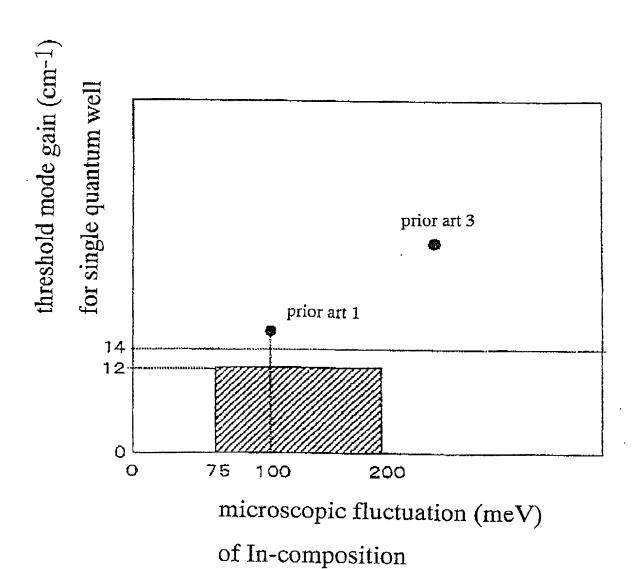
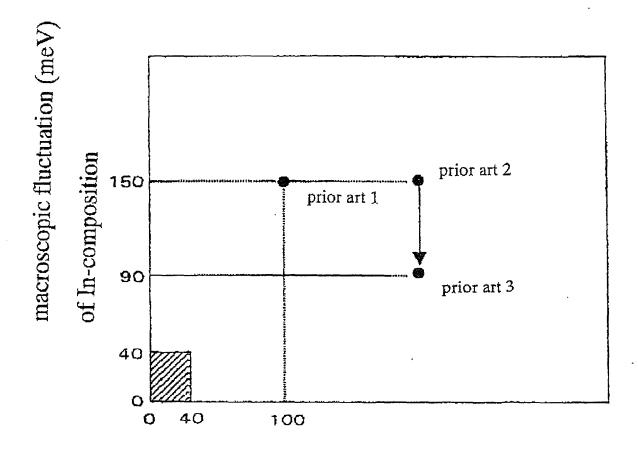
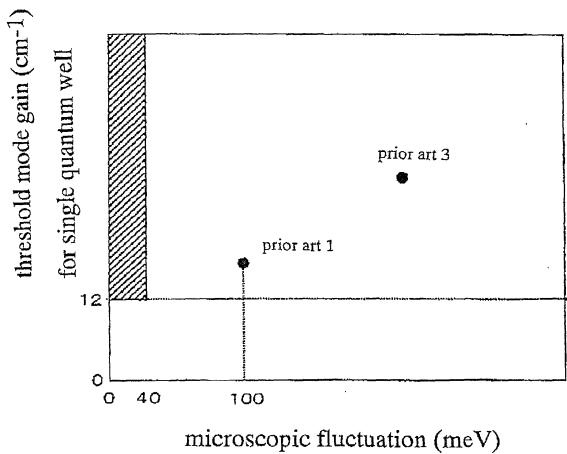


FIG. 16



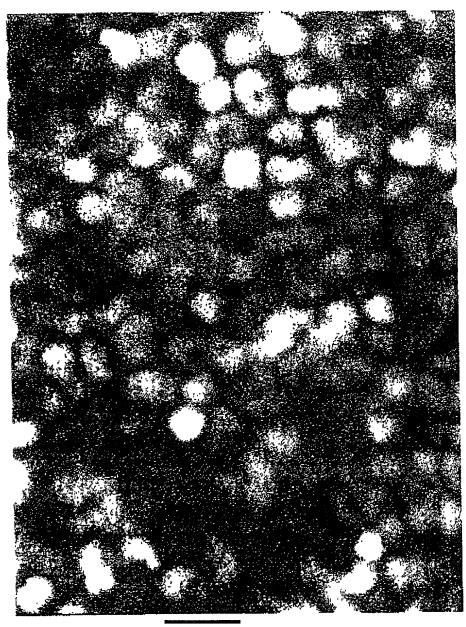
microscopic fluctuation (meV) of In-composition

FIG. 17



microscopic fluctuation (meV) of In-composition

FIG. 18



990nm